

KONYUSHEVSKII, YE. I.

Cement. P. I. Bozhenov and E. J. Konyushevskii. U.S.S.R. 65,706, Jan. 31, 1946; abstracted in Chem. Zentr., 1948, I [ $\frac{1}{2}$ ] 153.--The cement is made of 50% calcined gypsum, about 15% CaO, and 35% hydraulic additions. The constituents are either ground together or ground separately and then mixed. M.Ha.

SOV/137-58-10-21531

Translation from: Referativnyy zhurnal, Metallurgiya, 1958, Nr 10, p 154 (USSR)

AUTHORS: Makogon, M. B. , Panin, V. Ye. , Sidorova, T. S. , Konyushina,  
G. G. , Landa, A. L. , Shilina, G. V.

TITLE: The Effect of Conditions of Preliminary Cold Hardening on the  
Recovery of Cu and its Alloys as a Function of Temperature  
(Vliyaniye usloviy predvaritel'nogo naklepa na temperaturnuyu  
zavisimost' vozvrata medi i yeye splavov)

PERIODICAL: Dokl. 7-y Nauchn. konferentsii, posvyashch. 40-letiyu  
Velikoy Oktyabr'sk. sots. revolyutsii. Nr 2. Tomsk, Tomskiy  
un-t, 1957, pp 57-58

ABSTRACT: Investigations were performed in order to establish how tem-  
perature and rate of deformation (D) (the degree of D remaining  
constant) affect the progress of recrystallization curves of Cu  
and its alloys containing 10 atom-% Ni and Al. It was estab-  
lished that the increase in recrystallization temperature of Cu  
and its alloys is directly proportional to the degree of D; it is  
therefore assumed that for each temperature of D there is a  
corresponding field of D distortions, the temperature stability  
of which increases with increasing temperatures of D. It is

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, The Effect of Conditions of Preliminary Cold Hardening (cont.)

pointed out that the temperature stability of the cold-hardening of the Cu-base solid solutions investigated is a function of the nature of the alloy. Compared with Al, the addition of which tends to reduce the strength of cohesive bonds, introduction of Ni increases the cohesive forces in the Cu lattice and results in a greater rate of increase in temperature stability of the work-hardened regions.

Z. F.

1. Copper--Crystallization
2. Copper alloys--Crystallization
3. Copper--Temperature factors
4. Copper alloys--Temperature factors

Card 2/2

SOV/124-58-10-11902

Translation from: Referativnyy zhurnal, Mekhanika, 1958, Nr 10, p 160 (USSR)

AUTHORS: Makogon, M. B. , Panin, V. Ye. , Konyushina, G. G. , Landa, A. L. ,  
Sidorova, T. S. , Shilina, G. V.

TITLE: Influence of the Strain Conditions During Compression on the State  
of Copper - Copper-alloy Solid Solutions (Vliyaniye usloviy  
deformirovaniya pri szhatii na sostoyaniye medi i yeye splavov -  
tverdykh rastvorov)

PERIODICAL: Izv. vyssh. uchebn. zavedeniy. Fizika, 1957, Nr 1, pp 23-31

ABSTRACT: A comparison is offered of data on the variation in the hardness  
of strained alloys during anneal with the values of the rate coef-  
ficients of said alloys at various strain temperatures.

From the résumé

Card 1/1

KONYUSHKO, D.P.

Significance of gnathodynamometric investigation of the physiologic thresholds of periodontal sensitivity to masticatory pressure in application of bridges and abutment prosthesis. Stomatologiya, Moskva no.2:46-47 1951. (CJML 20:11)

1. Candidate Medical Sciences. 2. Of the Department of Orthopedic Stomatology (Head -- M. A. Solomonov), Tomsk Medical Institute imeni V.M. Molotov.

KONYUSHKO, E. P.

Teeth, Artificial

Clinical and physiological basis for the advisability and inadvisability of a prosthesis in partial defects of dental arches. Stomatologiya No. 3, 1952.

Monthly List of Russian Accessions, Library of Congress, December 1952. UNCLASSIFIED.

KONYUSHKO, D.P., dotsent

Using plastics for fixing permanent prosthesis on the supporting  
teeth. Stomatologiya 36 no.2:68-69 Mr-Apr '57. (MLRA 10:6)

1. Iz kafedry ortopedicheskoy stomatologii (zav. - prof. V.Yu.  
Kurlyandskiy) Moskovskogo meditsinskogo stomatologicheskogo  
instituta (dir. - dotsent G.N.Beletskiy)  
(PLASTICS) (DENTAL PROSTHESIS)

KONYUSHKO, D.P., dots., HENENSON, Ye.V. assistant.

Change in the sensitivity of the peridental tissues to pressure following different methods for treating periodontoclasia. Stomatologiya 37 no.6:14-16 N-D '58 (MIRA 11:12)

1. Iz kafedry ortopedicheskoy stomatologii (zav. - prof. V.Yu. Kurlyandskiy) i kafedry terapevticheskoy stomatologii (zav. - prof. Ye.Ye. Platonov) Moskovskogo meditsinskogo stomatologicheskogo instituta (dir. - dots. G.N. Beletskiy).  
(GUMS--DISEASES)



KONYUSHKO, D.P., dotsent

Some observations on the consolidation of movable teeth into blocs  
in the treatment of parodontosis. Stomatologiya 38 no.5:74-75  
S-O '59. (MIRA 13:3)

1. Iz kafedry ortopedicheskoy stomatologii (zaveduyushchiy - prof.  
V.Yu. Kurl'yanskiy) Moskovskogo meditsinskogo stomatologicheskogo  
instituta (direktor - dotsent G.N. Beletskiy).  
(DUMS--DISEASES) (DENTISTRY)

KONYUSHKO, D.P., dotsent

First Conference of Stomatologists in Vologda Province.  
Stomatologiya 41 no.5:107 S-O '62. (MIRA 16:4)  
(VOLOGDA PROVINCE—STOMATOLOGY)

KONYUSHKO, D.P., dotsent

Periodontodynamometer. Teor. i prak.stom. no.6:166-167 '63.  
(MIRA 18:3)

YERMOLENKO, Nikolay Fedorovich, KONYUSHKO, Ivan Makarovich,; MUSHINSKIY,  
M.I., red.; BELEN'KAYA, I.Ye., tekhn. red.

[Role of chemistry in agriculture; a popular lecture] Znachenie  
khimii v sel'skom khoziaistve; populiarnaya lektsiya. Minsk,  
Izd-vo Belgosuniv. im. V.I.Lenina, 1956. 47. (MIRA 11:11)  
(Agricultural chemistry)

BEL'KOVICH, P.I.; KONTUSHKO, I.M.

Analysis of the composition of the adsorbed phase of montmorillonite  
type clay. Uch.sap. BGU no.29:233-250 '56. (MIRA 11:11)  
(Montmorillonite) (Adsorption)

KONTYUSHKO, I.M.

Composition of the adsorption phase of Glukhovsk kaolin.  
Uch.zap. BCU no.29:282-294 '56. (MIRA 11:11)  
(Kaolin)

KONYUSHKO, I.M.

~~\_\_\_\_\_~~  
Adsorption of nonelectrolytes from aqueous solutions of aluminum hy-  
droxide. Uch.zap.BGU no.42:259-270 ' 58. (MIRA 12:1)  
(Aluminum hydroxide) (Adsorption)

KONYUSHKO, Ivan Makarovich; GESB, N., red.; BELEN'KAYA, I., tekhn.  
red.; DUBOVIK, A., tekhn. red.

[Qualitative chemical analysis] Kachestvennyi khimicheskii  
analiz. Minsk, Izd-vo M-va vysshego, srednego spetsial'nogo  
i professional'nogo obrazovaniia BSSR, 1961. 488 p.  
(MIRA 15:2)

(Chemistry, Analytical—Qualitative)



Theory of Mechanisms and Machines

Dissertation: "Problems of Dynamics and Kinematics of Agricultural Implements With Universal Couplers." Cand Tech Sci, Moscow Inst of Mechanization and Electrification of Agriculture, Moscow, 1953. (Referativnyy Zhurnal -- Mekhanika, Moscow, Mar 54)

SO: SUM 213, 20 Sep 1954

*KONYUSHKO, V. A.*

GOLIKOV, Aleksey Fedorovich; LITVINENKO, Aleksandr Nikolayevich;  
ANDREYEV, N.G., red.; KONYUSHKO, V.A., red.; POPRYADUKHIN, K.A.  
tekhn.red.

[Research in agricultural colleges] Nauchno-issledovatel'skaia  
rabota v sel'skokhoziaistvennykh vuzakh. Moskva, Gos.isd-vo  
"Sovetskaya nauka," 1957. 234 p. (MIRA 10:12)  
(Agricultural research)

SVIRSHCHEVSKIY, Bronislav Stanislavovich; ABBERKOV, M.S., red.; ANTONOVSKIY, B.N., red.; BENDYAKOVA, A.V., red.; GLAZKO, V.G., red.; GOROBETS, P.Z., red.; DOKUCHAYEVA, A.P., red.; YELNIN, A.V., red.; KISELEV, I.I., red.; KOGANOV, A.B., red.; KONDRAT'YEV, M.A., red.; KONTUSEKO, ~~L.A.~~, red.; KURGANOV, A.I., red.; PUTYATIN, M.D., red.; ~~PERE, N.N.~~, red.; ~~LETEEV, B.Ya.~~, red.; MAKHOVA, N.N., tekhn. red.; GOR'KOVA, Z.D., tekhn. red.

[Utilisation of tractors and machinery] Eksploatatsia mashino-traktornogo parka. Izd.3., perer. Moskva, Gos. izd-vo sel'khoz. lit-ry, 1958. 660 p.

(Agricultural machinery)

(MIRA 11:10)

KONYUSHKO, V.S.; DUKSINA, S.G.

Extraction-photometric microdetermination of papverine as a triple  
complex with iron thiccyanate. Apt. delo 13 no.1:35-39 Ja-F  
'64. (MIRA 17:4)

1. Vitebskiy meditsinskiy institut.

L 14524-65 AS(mp)-2/Pa-4  
ACCESSION NR: AP5001429

S/0075/64/019/008/1012/1020

AUTHOR: Konyushko, V. S.

TITLE: New method of extraction-photometric analysis of mixtures of alkaloids

SOURCE: Zhurnal analiticheskoy khimii, v. 19, no. 8, 1964, 1012-1020

TOPIC TAGS: extraction photometry, chromatography, alkaloid, organic ion

Abstract: An extraction-photometric method of analyzing mixtures of alkaloids was developed on the basis of selective extraction of the organic ions with colored ions of opposite sign. The extraction of a large number of alkaloids with chloroform in the presence of 10 organic dyes of an acid character: bromocresol purple, bromocresol green, pure sky blue, phenol red, bromothymol blue, acid blue, cresol red, methyl orange, bromophenol blue, and dipicrylamine was studied as a function of the pH. Methods were proposed for analyzing mixtures of alkaloids, based on the selective separation of individual alkaloids and measurement of the optical density of the extracts. The method substantially accelerates the analysis, as opposed to the chromatographic method, and provides the possibility of performing determinations at con-

Card 1/2

KOTYUSHKO. Z. H.

"Investigation of the Strength of Heat-Treated Tool Steels." Cand Tech  
Sci, Moscow Order of the Labor Red Banner Higher Technical School imeni N. E.  
Bauman, 22 Nov 54. (VM, 11 Nov 54)

Survey of Scientific and Technical Dissertations Defended at USSR Higher  
Educational Institutions (11)

SO: Sum. No. 521, 2 Jun 55

KONYUSHKO, Z. M.

USSR/ Engineering - Structural tests

Card 1/1 Pub. 128 - 15/23

Authors : Konyushko, Z. M.

Title : Investigating the strength of a heat treated steel during its stress and compression

Periodical : Vest. mash. 2. 67 - 69 and 73. Feb 1955

Abstract : The editorial gives some information concerning the tensile strength, tensile yield point and proportional limit of the R18, R9, 9KhS, U12 and 40Kh steels at various degrees of stress and compression. Technical data are given on the chemical composition of the above mentioned steels, hardening temperatures, and cooling agents. Four USSR references (1946 - 1951). Graphs; drawings; tables.

Institution: .....

Submitted: .....

KONYUSHKO, Z.M.

On broach strength calculations. Stan.1 instr.26 no.10:12-15  
0'55. (MIRA 9:1)

(Broaching machines)



KONYUSHKO, Z.M.

Graphic-analytic limit load method for calculating beam strength  
subjected to eccentric tension and compression. [Trudy] MVTU no.31:  
173-177 '55. (MIRA 8:5)  
(Girders) (Mechanical engineering)

KONYUSHKO, Z. M.

USSR.

8266 Investigation of Strength of Heat-Treated Tool Steel  
Under Tensile and Compressive Stresses. Issledovanie prochnosti  
tensil'nykh i szhivnykh instrumenta'nykh stali pri raznykh  
temperaturakh i obremennakh. (Russian.) Z. M. Konyushko, Vestnik  
Mashinostroeniya, v. 35, no. 2, Feb. 1955, p. 67-69, 73.  
Test methods for investigating influence of heat-treatment condition  
on the strength. Tables, diagrams, graphs. 1 ref.

M. J. P. 13

KONYUSHKO, Z.M., kandidat tekhnicheskikh nauk.

Study of the mechanical properties of heat-treated tool steel.  
Vest.mash. 35 no.12:47-57 '55. (MLRA 9:5)  
(Tool steel--Heat treatment)

KONYUSHKO, Z.M., kandidat tekhnicheskikh nauk.

Investigation of the strength of heat-treated tool steels.

[Trudy] MVTU no.46:168-205 '55.

(MLRA 9:4)

(Tool steel--Testing)

24(0): 25(2) PHASE I BOOK EXPLOITATION 307/2037

Moscow. Vysshaye tekhnicheskoye uchilishche imeni M.E. Rumana  
Maschety na prochnost' v mashinostroyenii: [sbornik] Design for  
Strength in Mechanical Engineering: Collection of Articles  
Moscow, Mashgis, 1958. 244 p. (Series: Ita [Trudy] 89)  
3,300 copies printed.

Ed.: G.A. Nikolayev, Doctor of Technical Sciences, Professor,  
Retired Worker in Science and Technology; Ed. of Publishing House:  
B.P. Chernysheva; Tech. Ed.: B.I. Mordukhai-Boltovskoye; Managing Ed. For  
Literature on Heavy Machine Building (Mashgis): S.Ya. Golovin,  
Engineer.

PURPOSE: This collection of articles is intended for engineering staffs  
in the machine-building industry and may be useful to scientific  
workers and senior students of mechanical engineering vtuhs.

CONTENTS: The articles cover the graphoanalytical method of  
designing circular symmetrically loaded reinforced plates,  
method of designing rotating heated disks for transverse bending,  
and calculation of preloaded Belleville springs. Also discussed  
are diffusion equations for deformation of rubber-cord shells  
of rotation, the theory of flexure of rubber-cord hoses, and  
stability problems of elastic cylindrical shells. Results of  
experimental investigations of mechanical ductility of  
constructional steels and other materials are presented. Several  
articles are devoted to problems of vibrations in machinery.  
There are 78 references; 71 Soviet, 4 German, 2 English, and  
1 French.

197  
Konstantin, Z.M., Candidate of Technical Sciences, Docent.  
Construction of Stress-Strain Diagrams for Shear of Brittle  
Materials Based on Results of Tension and Compression Tests

A method is described for obtaining stress-strain diagrams  
for shear from stress-strain diagrams for tension and  
compression of materials with different characteristics in  
tension and compression. Results of experiments are compared  
with theoretical conclusions.

210  
Bilimskii, S.I., Candidate of Technical Sciences, Docent.  
Calculation of Free Vibrations in a Four-column Press

A method for determining the fundamental natural frequency  
of a four-column press, allowing for elasticity of the  
foundation is discussed. The formulas derived can also be  
used for cases of very rigid foundations by putting the  
coefficient of soil compressibility equal to zero.

226  
Kolesnikov, K.S., Candidate of Technical Sciences, Docent.  
Deflections of Beams in the Case of Vibration of Their Supports

A method is presented for determining the deflection of  
variable cross-section beams subjected to forced vibrations  
arising from the periodic motion of supports.

234  
Bostilitskiy, V.A., Engineer. Determination of Basic Premises for  
Forced Motion

The paper presents a method for checking whether the forced  
motion analyzed is in accordance with the initial assumptions  
used for the theoretical solution. The possibility of  
deviation of existing conditions from initial assumptions  
is discussed.

AVAILABLE: Library of Congress

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8-25-59

Card 8/8

NOHUSHIRO, S.H., Translating, draft, 1954

Plotting shear graphs for brittle materials based on results of  
tensile and compression tests. [Trudy] VVTU no. 69:197-209 '55.  
(MIRA 12:7)

(Shear (Mechanics)—Graphic methods)

KONYUSHKO, Zoya Maksimovna; dotsent, kand.tekhn.nauk; MALININ, N.N.,  
prof., doktor tekhn.nauk, red.

[Designing structural elements for strength and rigidity with  
consideration given to plastic deformations] Raschetny na prochnost'  
i zhestkost' elementov konstruktsii s ucheto plasticheskikh de-  
formatsii. Pod red. N.N.Malinina. Moskva, Mosk.vysshee tekhn.  
uchilishche, Kafedra soprotivleniia materialov, 1960. 175 p.  
(MIRA 14:4)

(Strength of materials)

KONYUSHKOV, A.A.

Class S<sub>1</sub> functions. Usp. mat. nauk 18 no.6:209-215 '63.  
(MIRA 17:3)



KONYUSHKOV, A.A.

One class of functions. Usp.mat.nauk 12 no.4:177-180 J1-Ag '57.  
(MIRA 10:10)

(Functions, Periodic)

38-3-7/7

AUTHOR  
TITLE

PERIODICAL

ABSTRACT

KONYUSHKOV A.A.

On the LIPSCHITZ Classes.

(O klassakh Lipshitsa.- Russian)

Izvestiia Akad. Nauk SSSR, Ser. Mat. 1957, Vol 21, Nr 3,  
pp 423-448 (USSR)

The author here investigates summable periodic functions with the period  $2\pi$ . Two types of subclasses  $Lip(\alpha, p)$  and  $lip(\alpha, p)$ ,  $0 < \alpha \leq 1$ , are separated from the classes  $Lp(0, 2\pi)$ ,  $1 \leq p \leq \infty$ . As is known,  $f(x) \in Lip(\alpha, p)$  applies, if the condition

$$\|f(x+h) - f(x)\|_p = O(h^\alpha) \quad (h \rightarrow +0) \text{ is satisfied.}$$

For  $\|f(x+h) - f(x)\|_p = o(h^\alpha)$ , however  $f(x) \in lip(\alpha, p)$  applies.

In the first chapter the characteristic of the LIPSCHITZ classes is discussed and the terminology of the FOURIER coefficients is used. One of the theorems of the first chapter concerns the subclass  $Lip(\alpha, p)$  in the class  $Lip(\alpha, p)$  and runs as follows: Be it assumed that  $f(x) \in L(0, 2\pi)$  and  $f(x) \sim (\alpha_0/2) + \sum_{n=1}^{\infty} (\alpha_n \cos nx + b_n \sin nx)$

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APPROVED FOR RELEASE: 06/19/2000

CIA-RDP86-00513R000824420018-

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On the LIPSCHITZ Classes.

is the corresponding FOURIER series. The following is necessary and sufficient in order that

$$f(x) \in lip(\alpha, p), \quad 0 < \alpha < 1, \quad 1 \leq p \leq \infty$$

may apply: Such a concave sequence

$$\{\Lambda_n\}$$

(with  $\Delta^2 \Delta_n \leq 0, n = 0, 1, \dots$ ), must exist, in which

$\Lambda_n > 0, \Lambda_n \rightarrow \infty$  at  $n \rightarrow \infty$  applies, so that the series

$$(\alpha_0 \Lambda_0/2) + \sum_{n=1}^{\infty} \Lambda_n (\alpha_n \cos nx + b_n \sin nx) \text{ is a FOURIER series}$$

of the function  $f^*(x) \in Lip(\alpha, p)$ .

In the second chapter a transformation of the FOURIER series for the function of the LIPSCHITZ classes is investigated.

The third and last chapter deals with analogies to the theorems by BELLMAN, HARDY, and LOO CHING-TSUN.

(No Illustrations)

CARD 2/3

KONYUSHKOV, A.A., Cand Phys-Math Sci--(diss) "Certain problems from the  
theory of <sup>Fourier</sup> coefficients." Mos, 1958. 10 pp (Acad Sci USSR. Math Inst im  
V.A. Steklov), 120 copies. Bibliography: p 10 (13 titles) (ML, 26-58, 105)

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16(1)

AUTHOR:

Konyushkov, A.A.

SOV/38-22-6-5/6

TITLE:

On Some Function Classes I (0 nekotorykh klassakh funktsiy)

PERIODICAL:

Izvestiya Akademii nauk SSSR, Seriya matematicheskaya, 1958,  
Vol 22, Nr 6, pp 841 - 870 (USSR)

ABSTRACT:

The author considers classes of periodic functions with a certain behavior of the  $k$ -th difference norm, e.g. :

$E_{\varphi, k, p}^{(M)}$  is the class of all functions  $f \in L_p(0, 2\pi)$ ,  $1 \leq p < \infty$ ,  
and of all functions  $f \in C_{2\pi}$ ,  $p = \infty$  for which

$$(1) \quad \frac{\| \Delta_t^{(k)} f(x) \|_{L_p}}{\varphi(t)} \leq M, \quad 0 < t \leq 2\pi.$$

Here  $\varphi(t)$  is a positive function on  $(0, 2\pi)$  and

$$(2) \quad \Delta_t^{(k)} f(x) = \sum_{m=0}^k (-1)^m \binom{k}{m} f[x + (k-2m)t].$$

If  $p = \infty$ , then in (1) the norm is not to be taken in  $L_p$

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On Some Function Classes I

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but in  $C_{2\pi}$ .  $H_{\varphi,k,p}$  is the class of all functions  $f$  in  $L_p$  or  $C_{2\pi}$  (as mentioned above) for which

$$(3) \quad \lim_{t \rightarrow +0} \frac{\|\Delta_t^{(k)} f(x)\|_{L_p}}{\varphi(t)} < \infty.$$

Furthermore :

$$H_{\varphi,k,p}^{\infty} = L_p(0, 2\pi) \setminus H_{\varphi,k,p}, \quad 1 \leq p < \infty \quad \text{and} \quad H_{\varphi,k,\infty}^{\infty} = C_{2\pi} \setminus H_{\varphi,k,\infty}.$$

The author investigates the category and the Borel type of the introduced function sets. Five longer theorems are proved, e.g. : Theorem 1: In order that the set  $H_{\varphi,k,p}^{\infty}$  be non-empty, it is necessary and sufficient that

$$(4) \quad \lim_{t \rightarrow +0} \varphi(t) = 0$$

Then  $H_{\varphi,k,p}^{\infty}$  is residual in  $L_p$  and  $C_{2\pi}$  respectively. In order that  $H_{\varphi,k,p}$  does not only consist of functions equivalent to

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On Some Function Classes I

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a constant, it is necessary and sufficient that

$$(5) \quad \overline{\lim}_{t \rightarrow +0} \frac{t^k}{\varphi(t)} < \infty .$$

The set  $H_{\varphi,k,p}$  is either identical with  $L_p$  or  $C_{2\pi}$  (if (4) is not satisfied) or it is a subset of the first category in  $L_p$  or  $C_{2\pi}$ ; it is a closed subset, if (5) is not satisfied, and a subset of the type  $F_\sigma$ , but not  $G_\delta$ , if (5) is satisfied.

The second theorem brings similar statements for

$H_{\varphi,k,p} \cap H_{\varphi_1,k,p}^\infty$ , where  $\varphi_1$  is also positive in  $(0, 2\pi]$ .

Theorem 3: Let  $\frac{t^k}{\varphi(t)} \rightarrow 0$  hold for  $t \rightarrow +0$ ; in order that for an arbitrary trigonometric polynomial  $T$  it holds

$$\inf_T \overline{\lim}_{t \rightarrow +0} \frac{\left\| \Delta_t^{(k)}(f-T)(x) \right\|_{L_p}}{\varphi(t)} = 0 ,$$

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On Some Function Classes I

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it is necessary that  $\|\Delta_t^k f(x)\|_{L_p} \cdot (\varphi(t))^{-1} \rightarrow 0 \quad (t \rightarrow +0)$

holds. The two last theorems present statements of analogous kind for two further (similar) function classes. The present paper is similar in many points to investigations of Tarnowski [Ref 1,2,5,6], however, the suppositions of the author seem to be somewhat weaker.

There are 25 references, 8 of which are Soviet, 10 Polish, 3 German, 1 Hungarian, 1 Swedish, 1 English, and 1 Italian.

PRESENTED: by M.A. Lavrent'yev, Academician

SUBMITTED: October 7, 1957

Card 4/4

KONYUSHKOV, A.A. (g. Novogireyev Moscowskoy oblasti).

Best approximations by trigonometric polynomials and Fourier  
coefficients. Mat. sbor. 44 no.1:53-84 Ja '58. (MIRA 11:2)  
(Approximate computation) (Polynomials)  
(Fourier series)



16(1)

AUTHOR:

Konyushkov, A.A.

SOV/42-14-1-14/27

TITLE:

On the Convergence of Some Series of Fourier Coefficients  
(O skhodimosti nekotorykh ryadov iz koeffitsiyentov Fur'ye)

PERIODICAL: Uspekhi matematicheskikh nauk, 1959, Vol 14, Nr 1, pp 189-196 (USSR)

ABSTRACT: Let  $f(x) \in \mathcal{L}_p(0, 2\pi)$ ,  $1 \leq p \leq \infty$  be a  $2\pi$ -periodic function and

$$(1) \quad f(x) \sim \frac{a_0}{2} + \sum_{n=1}^{\infty} (a_n \cos nx + b_n \sin nx)$$

its Fourier series. Let  $E_n(f)_{\mathcal{L}_p}$  ( $n=0, 1, \dots$ ) be the best approximation of  $f$  in the metric of the  $\mathcal{L}_p$  by trigonometric polynomials of at most  $n$ -th order; let  $\omega_k(\delta, f)_{\mathcal{L}_p}$  be the modulus of continuity of  $k$ -th order of  $f$ . Let  $\{\varphi_n\}$  be a positive sequence. Let  $\mathcal{M}_{\{\varphi_n\}}^{(p)}$  be the class of all  $f$  for which  $E_n(f)_{\mathcal{L}_p} = O(\varphi_n)$ . Let  $\mathcal{M}_{\varphi(\delta)}^{(p,k)}$  be the class of all  $f$  for which

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On the Convergence of Some Series of Fourier  
Coefficients

SOV/42-14-1-14/27

$$\omega_k(\delta, f)_{X_p} = O[\varphi(\delta)].$$

Theorem: For the convergence of the series

$$(2) \sum_{n=1}^{\infty} n^{\gamma} (|a_n|^{\beta} + |b_n|^{\beta}), \quad 1 \geq \beta > 0, \quad -1 \leq \gamma < \infty$$

for arbitrary  $f \in W_{\{\varphi_n\}}^{(p)}$  it is necessary and sufficient that

$$\sum_{n=1}^{\infty} n^{\gamma - \frac{\beta}{p}} [\varphi_n^*]^{\beta} < \infty, \quad \text{if } 1 \leq p \leq 2, \quad \gamma - \frac{\beta}{p} > 1, \quad \frac{1}{p} + \frac{1}{p'} = 1$$

and

$$\sum_{n=1}^{\infty} n^{\gamma - \frac{\beta}{2}} [\varphi_n^*]^{\beta} < \infty, \quad \text{if } p = \infty, \quad \gamma - \frac{\beta}{2} > 1.$$

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Here  $\varphi_n^* = \min_{1 \leq m \leq n} \varphi_m$ .

Theorem: Let  $\varphi(\delta)$ ,  $0 < \delta \leq \pi$ , be a positive function. For the convergence of the series (2) for arbitrary  $f$  it is necessary and sufficient that

$$\sum_{n=1}^{\infty} n^{\gamma - \frac{\beta}{p}} [\varphi_k^{**}(n^{-1})]^{\beta} < \infty \text{ if } 1 \leq p \leq 2, 0 < \beta \leq 1, \gamma - \frac{\beta}{p} > -1,$$

$$\gamma - \frac{\beta}{p} - k\beta < -1$$

$$\text{and } \sum_{n=1}^{\infty} n^{\gamma - \frac{\beta}{2}} [\varphi_k^{**}(n^{-1})]^{\beta} < \infty \text{ if } p = \infty, 0 < \beta \leq 1, \gamma - \frac{\beta}{2} > -1,$$

$$\gamma - \frac{\beta}{2} - k\beta < -1.$$

Here  $\varphi_k^{**}(\delta)$  is the improved majorant of the modulus of

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continuity according to Stechkin [Ref 2], i.e.

$$\varphi_k^{**}(\delta) = \delta^k \inf_{0 < \eta \leq \delta} \left\{ \eta^{-k} \inf_{\eta \leq \xi \leq \delta} \varphi(\xi) \right\}.$$

There are 8 references, 5 of which are Soviet, 1 Polish, and  
2 American.

SUBMITTED: February 20, 1957

Card 4/4

KONYUSHKOV, A.A.

Certain classes of functions. Part 2. Izv. AN SSSR. Ser. mat.  
23 no.1:135-155 Ja-P '59. (MIRA 12:1)

1. Predstavleno akademikom M.A. Lavrent'yevym.  
(Functional analysis)

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C 111/ C 333

AUTHOR: Konyushkov, A. A.

TITLE: On Differences of Higher Order for Continuous Functions

PERIODICAL: Izvestiya Akademii nauk SSSR, Seriya matematicheskaya, 1960, Vol. 24, No. 4, pp. 549-566

TEXT: Let  $C([0, 2\pi])$  be the Banach space of all real continuous functions  $f$  defined on  $[0, 2\pi]$  with the norm

$$\|f\| = \max_{0 \leq x \leq 2\pi} f(x) \quad \text{and} \quad \Delta_t^k f(x) = \sum_{j=0}^k (-1)^{k-j} \binom{k}{j} f(x+jt),$$

where  $x + jt \in [0, 2\pi]$ ,  $j = 0, 1, \dots, k$ . A set  $M$  of the space  $P$  is called residual in  $P$ , if the complement  $P \setminus M$  is a set of first category in  $P$ . Let  $C^2([0, 2\pi]) = C([0, 2\pi]) \times C([0, 2\pi])$  be the space of the pairs of functions  $f, g$ , where  $f$  and  $g$  belong to  $C$ .

Theorem 1: Let  $\varphi(t)$  be a positive function on  $(0, 2\pi]$ ,  $\lim_{t \rightarrow 0+} \varphi(t) = 0$  and  $k > 1$  natural number. Then the set  $\bigcap_{k=1}^{\infty} \varphi_k$  of all  $f \in C$  for which it holds simultaneously

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On Differences of Higher Order for Continuous Functions

$$(1.2) \quad \lim_{t \rightarrow 0+} \frac{\Delta_t^k f(x)}{\varphi(t)} = +\infty,$$

$$(1.3) \quad \lim_{t \rightarrow 0+} \frac{\Delta_t^k f(x)}{\varphi(t)} = -\infty$$

for every  $x \in [0, 2\pi)$ , is residual in  $C$ .

Corollary 1: Let  $\varphi(t)$  be a positive continuous function on  $(0, 2\pi]$ ,  $\lim_{t \rightarrow 0+} \varphi(t) = 0$ ,  $k > 1$  natural number. Then every function

$f$  of the residual set  $\mathcal{R}_{\varphi, k}$  of theorem 1 has the property: for arbitrary given numbers  $x$  and  $a$ ,  $0 \leq x < 2\pi$ ,  $-\infty \leq a \leq +\infty$  there exists a sequence  $\{t_n\}$  ( $n \geq 1$ ), such that  $t_n > 0$ ,  $t_n \rightarrow 0$

$$\frac{\Delta_{t_n}^k f(x)}{\varphi(t_n)} \rightarrow a \quad (n \rightarrow \infty).$$

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Corollary 2: Let  $\varphi(t)$  be a positive function on  $(0, 2\pi]$ ,  
 $\lim_{t \rightarrow 0+} \varphi(t) = 0$ ,  $k \geq 1$  natural number.  $\mathcal{M}_{\varphi, k}$  denotes the set of  
all  $f \in C$ , for which for a certain  $x_0 = x_0(f) \in [0, 2\pi]$  there  
exists the finite or infinite limit value

$\lim_{t \rightarrow 0+} \frac{|\Delta_{\varphi}^k(x_0)|}{\varphi(t)}$ . For  $k > 1$  then  $\mathcal{M}_{\varphi, k}$  is a set of first category  
in the space  $C$ . ✓ 15

Theorem 2: Let  $\varphi(t)$  be a positive function on  $(0, 2\pi]$ ,  $\lim_{t \rightarrow 0+} \varphi(t) = 0$   
and  $k \geq 1$  natural number. Then the set  $R$  of all pairs  
 $[f, g] \in C^2$  with the following property is residual in  $C$ : To  
every  $x \in [0, 2\pi)$  there exist four sequences  
 $\{t_n^{(i)}\}$  ( $i = 1, 2, 3, 4; n = 1, 2, \dots$ ) such that  $t_n^{(i)} > 0$ ,  
 $t_n^{(1)} \rightarrow 0 (n \rightarrow \infty)$  20  
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On Differences of Higher Order for Continuous Functions

$$\frac{\Delta_{t_n}^k f(x)}{\varphi(t_n)} \rightarrow +\infty, \quad \frac{\Delta_{t_n}^k g(x)}{\varphi(t_n)} \rightarrow +\infty, \quad (2.1)$$

$$\frac{\Delta_{t_n}^k f(x)}{\varphi(t_n)} \rightarrow -\infty, \quad \frac{\Delta_{t_n}^k g(x)}{\varphi(t_n)} \rightarrow -\infty, \quad (2.2)$$

$$\frac{\Delta_{t_n}^k f(x)}{\varphi(t_n)} \rightarrow +\infty, \quad \frac{\Delta_{t_n}^k g(x)}{\varphi(t_n)} \rightarrow -\infty, \quad (2.3)$$

$$\frac{\Delta_{t_n}^k f(x)}{\varphi(t_n)} \rightarrow -\infty, \quad \frac{\Delta_{t_n}^k g(x)}{\varphi(t_n)} \rightarrow +\infty. \quad (2.4)$$

Theorem 3: The positive function  $\varphi(t)$  on  $(0, 2\pi]$  is assumed to be so that the finite limit value

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$\lim_{t \rightarrow 0+} \frac{t^k}{\varphi(t)} = c$  exists, where  $k > 1$  is a given natural number,  
where in the case  $c = 0$  it is assumed that  $\varphi(t)$  does not decrease,  
is continuous and  $\lim_{t \rightarrow 0+} \varphi(t) = 0$ . Then the set  $\mathcal{M}$  of all pairs

$[f, g] \in C^2$  with the following property is residual in  $C^2$ : To  
arbitrary  $x, a$  and  $b$ ,  $0 \leq x < 2\pi$ ,  $-\infty \leq a \leq +\infty$ ,  $-\infty \leq b \leq +\infty$   
there exists a sequence  $\{t_n\} (n \leq 1)$ , such that  $t_n > 0$ ,  $t_n \rightarrow \infty$   
and

$$\frac{\Delta_{t_n}^k f(x)}{\varphi(t_n)} \rightarrow a, \quad \frac{\Delta_{t_n}^k g(x)}{\varphi(t_n)} \rightarrow b \quad (n \rightarrow \infty) \quad (2.6) .$$

There are 8 references: 2 Soviet, 5 Polish and 1 Czech.

PRESENTED: by A. N. Kolmogorov, Academician

SUBMITTED: June 10, 1959

Card 5/5

KONYUSEKOV, A. A. (Moskva)

Transformation of trigonometric series by means of monotonous,  
convex and concave sequences of factors. Mat. sbor. 51 no.1:27-72  
Ky '60. (MIRA 13:8)

(Fourier's series)

KONYUSHKOV, A.A.

Category and Borel type of certain sets of functions determined by the behavior of conjugate series. Izv. AN SSSR.  
Ser. mat. 25 no.5:645-670 S-O '61. (MIRA 14:10)  
(Functions)

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AUTHOR: Konyushkov, A. A.

TITLE: Optimum approximations for transformations of the Fourier coefficients by the method of arithmetical means and Fourier series with non-negative coefficients

PERIODICAL: Sibirskiy matematicheskiy zhurnal, v. 3, no. 1, 1962, 56 - 78

TEXT: In the first section of the paper, the author investigates the connection between functions  $f \in L_p$  with the Fourier series

$\sum_{n=1}^{\infty} (a_n \cos nx + b_n \sin nx)$  and their transforms  $\bar{H}f$  with the Fourier series

$\sum_{n=1}^{\infty} [(n^{-1} \sum_{m=1}^n a_m) \cos nx + (n^{-1} \sum_{m=1}^n b_m) \sin nx]$ . If there is a non-increasing sequence of positive numbers  $\varphi_n$  ( $n = 1, 2, \dots$ ) which satisfy the condition

$\sum_{m=1}^n m^{(1/p)-1} \varphi_m = O(n^{1/p} \varphi_n)$ , then  $E_n(f)_{L_p} = O(\varphi_n)$  implies  $E_n(\bar{H}f)_{L_p} = O(\varphi_n)$ .

$E_n(f)_{L_p}$  is the optimum approximation of  $f$  by trigonometric polynomials of  
Card  $1/2$

KONYUSHKOV, A.A.

Best approximations attainable in the transformation of  
Fourier coefficients by the method of the arithmetic mean,  
and Fourier series with nonnegative coefficients. Sib. mat.  
zhur. 3 no.1:56-78 Ja-F '62. (MIRA 15:3)  
(Fourier transformations) (Fourier series)  
(Approximate computation)

KONYUSHKOV, A.A.

Certain sets of sequences and functions determinable by the  
behavior of Fourier series. Izv.AN SSSR.Ser.mat. 26 no.4:531-  
548 J1-Ag '62. (MIRA 15:8)  
(Sequences (Mathematics)) (Functions, Continuous)  
(Fourier series)

KONYUSHKOV, A.M.

SHIRIN, P.K., kandidat tekhnicheskikh nauk; ~~KONYUSHKOV, A.M., kandidat~~  
tekhnicheskikh nauk, redaktor; ~~VORONIN, K.P., tekhnicheskiiy redaktor~~

[Steel mains; organization and laying] Magistral'nye stal'nye truboprovody; organizatsiia i proizvodstvo rabot. Izd. 2-oe, dop. i perer. Moskva, Gosizd-vo lit-ry po stroit. i arkhitekt., 1951. 207 p.  
(Pipelines) (MLRA 10:9)



KARELIN, Ya.A.; ABRAMOV, V.V., inzhener, retsenzent; TOLOCHKO, M.M.,  
inzhener, retsenzent; KONYUSHKOV, A.M., redaktor

[Purifying industrial sewage of the petroleum industry] Ochistka  
proizvodstvennykh stochnykh vod predpriatii neftianoi promysh-  
lennosti. Moskva, Gos. nauchno-tekhn. izd-vo neftianoi i gorno-  
toplivnoi lit-ry, 1953. 295 p. (MLRA 7:8)  
(Petroleum industry) (Waste products)

KONYUSHKOV, A.M.

Porous plate drainage for filters. Vod. i san.tekh. no.3:37-  
39 Mr '59. (MIRA 12:2)  
(United States--Filters and filtration)

TUREK, V.I., dotsent, kandidat tekhnicheskikh nauk; ZANEVSKIY, M.S., dotsent, retsentsent; KONYUSHKOV, A.M., kandidat tekhnicheskikh nauk, redaktor.

[Pumps and pumping stations] Nasosy i nasosnye stantsii. Moskva, Gos. izd-vo lit-ry po stroitel'stvu i arkhitekture, 1953. 384 p.  
(Pumping machinery) (Pumping stations) (MLRA 7:7)

1. KONTUSHOV, A. M.
2. USSR (600)
4. Dams
7. Modern dam structures. *Biul.stroi.tekh.*, 10, no. 1, 1953.

9. Monthly List of Russian Accessions, Library of Congress, April 1953, Uncl.

KON<sup>Y</sup>USHKOV, A. M.

Moscow

New research and projected solutions in the realm of water supply. Moskva, Gos.  
izd-vo lit-ry po stroitel'stvu i arkhitekture, 1954. 46 p. (55-15489)

TD345.M75

ZHUKOV, F.F., inzhener; KONYUSHKOV, A.M., kandidat tekhnicheskikh nauk, redaktor.

[Results of chemical cleaning and asphalt insulation of steel pipes in pilot plants] Opyt khimicheskoi ochildki i bitumnoi izoliatsii stal'nykh trub v poluzavodskikh usloviakh. Moskva, Gos. izd-vo lit-ry po stroitel'stvu i arkhitekture, 1954. 59 p. (MLRA 7:6)

(Corrosion and anticorrosives) (Pipe, Steel)

KROTOV, I.N.; KONVUSHKOV, A.M., kandidat tekhnicheskikh nauk nauchnyy  
redaktor; GOLUBEIKOVA, L.A., redaktor; TOKER, A.M., tekhnicheskiy  
redaktor

[Precision methods of calculation for water supply lines] Priemy  
utochnennogo rascheta vodoprovodnykh setei. Moskva, Gos. izd-vo  
lit-ry. po stroitel'stvu i arkhitekt. 1954. 103 p. (MLRA 8:4)  
(Water supply engineering)

KEYMAKH, L.I., inzhener; KONYUSHKOV, A.M., kandidat tekhnicheskikh nauk;  
nauchnyy redaktor; GORODENKOVA, E.A., redaktor; SMOL'YAKOVA, M.V.,  
tekhnicheskiiy redaktor.

[Rapid assembly-line method of laying steel pipelines] Potochno-  
skorostnoe stroitel'stvo stal'nykh truboprovodov. Moskva, Gos.  
izd-vo lit-ry po stroitel'stvu i arkhitekture, 1954. 170 p. (MLBA 7:11)  
(Pipelines)



KARPINSKIY, A.A., kandidat tekhnicheskikh nauk; YAKOVLEV, S.V. kandidat tekhnicheskikh nauk; KONYUSHKOV, A.M., redaktor; KONYASHINA, A. tekhnicheskiiy redaktor.

[Hydraulic calculations for a sewer system] Gidravlicheskiy raschet kanalizatsionnoi seti. Moskva, Izd-vo Ministerstva kommunal'nogo khoziaistva RSFSR, 1955. 19 p. (MLRA 8:8)  
(Sewer design)

*KONYUSHKOV, A.M.*  
DUBROVSKIY, V.V., redaktor; KONYUSHKOV, A.M., redaktor; BELITSKIY, A.S., redaktor; BOGOLYUBOVA, B.P., redaktor; DUBROVSKIY, V.V., redaktor; ZHUKOV, A.I., redaktor; KORPICHNIKOV, A.A., redaktor; KONYUSHOV, A.M., redaktor; KULICHIKHIN, N.I., redaktor; SEMENOV, M.P., redaktor; TURK, V.I., redaktor; TURCHINOV, V.T., redaktor; ROSSOVA, S.M., redaktor; GUROVA, O.A., tekhnicheskiiy redaktor.

[Sinking, equipping and operating wells for the rural water supply; proceedings of the conference of May 18-22, 1954] Soorushenie, oborudovanie i ekspluatatsiya skvazhin dlia sel'skogo vodosnabzhenia; trudy Soveshchaniia 18-22 maia, 1954.goda. Moskva, Gos.nauchno-tekhn. izd-vo lit-ry po geol. i okhrane nedr.1955. 220 p. (MLRA 8:11)

1. Soveshchaniye po voprosam soorusheniya i oborudovaniya burovykh skvazhin dlia sel'skogo khozyaystva, 1954.  
(Wells) (Water supply, Rural)

KONYUSHKOV, A.M.

KOZHINOV, V.F.; POPOVICH, G.S.; KARLINSKAYA, M.I.; KUBLANOVSKIY, L.B.,  
kandidat tekhnicheskikh nauk, retsentsent; KONYUSHKOV, A.M.,  
kandidat tekhnicheskikh nauk, redaktor; SMIRNOV, A.P., redaktor;  
PERSON, M.M., tekhnicheskii redaktor.

[Automation in the work of water supply and sewage disposal  
installations] Avtomatizatsiya raboty vodoprovodno-kanalizatsion-  
nykh sooruzhenii. Moskva, Gos.izd-vo lit-ry po stroitel'stvu i  
arkhitekture, 1955. 257 p. (MLRA 9:1)  
(Automation--Water-supply engineering)  
(Sewage--Purification)

KONYUSHKOV, Andrey Maksimovich; YAKOVLEV, Sergey Vasil'yevich; ABRAMOV,  
N.N., doktor tekhnicheskikh nauk, professor, retsenzent; KARKHIN,  
Ya.A., kandidat tekhnicheskikh nauk, dotsent, retsenzent; ZANEVSKIY,  
M.S., dotsent, redaktor; SMIRNOVA, A.P., redaktor; MEDVEDEV, L.Ya.,  
tekhnicheskiiy redaktor.

[Water supply and sewer systems] Vodosnabzhenie i kanalisatsiia.  
Moskva, Gos.izd-vo lit-ry po stroitel'stvu i arkhitekture, 1955.  
526 p. (MLRA 8:12)

(Water-supply engineering) (Sewerage)

SHARALIN, Aleksandr Fedorovich, kandidat tekhnicheskikh nauk; KONYUSHKOV, A.M., redakter; NEPOMNYASHCHIY, N.Y., redakter; BREKNER, O.G., tekhnicheskii redakter.

[Water supply and water removal in steel industry] Vvedeniye i vedestvenie na predpriyatiakh chernoi metallurgii. Moskva, Gos. nauchno-tekhn. izd-vo lit-ry po chernoi i tsvetnoi metallurgii, 1955. 611 p. (MIRA 9:5)

(Water supply) (Metallurgical plants)

*Handwritten:* KONYUSHKOV, A.M.

KONYUSHKOV, A.M.

International congress on water-supply engineering. Vod. 1 san.tekh.  
no.3:36 Je '55. (MIRA 8:12)

1. TsIIS

(London--Water supply engineering--Congresses)

KONYUSHKOV, A.M.

New water pumping stations in New York. Vod. i san. tekhn. no.4:  
34-35 J1'55. (MIRA 8:12)

1.TelIES

(New York--Pumping stations)

KONYUSHKOV, A.M.

Pumping stations for removing water from heavy rainfall in Florida.  
Ved. 1 san. tekhn. no.5:31-32 Ag '55. (MLBA 9:2)

1. Tsentral'nyy issledovatel'skiy institut nasesnykh stantsiy.  
(Florida--Pumping stations)



KONYUSHKOV, A.M., kand. tekhn. nauk.

Certain types of water intake installations used in the United  
States. Biul. stroi. tekhn. 12 no.5:37-40 My '55. (MIRA 11:12)  
(United States--Water-supply engineering)

KONYUSHKOV, A.M., kandidat tekhnicheskikh nauk, starshiy nauchnyy sotrudnik;  
SOKOLINSKAYA, L.B., inzhener, redaktor; MUNITS, A.P., redaktor  
izdatel'stva; GUSEVA, S.S., tekhnicheskiy redaktor

[Equipment used in western Europe to purify waste water] Soorusheniia  
dlia ochistki stochnykh vod v stranakh zapadnoi Evropy. Moskva, Gos.  
izd-vo lit-ry po stroit. i arkhitekture, 1956. 80 p. (MLBA 9:9)

1. Moscow. TSentral'nyy institut informatsii po stroitel'stvu.
2. TSentral'nyy institut informatsii po stroitel'stvu (for Konyushkin)  
(Europe, Western--Sewage--Purification)

KONYUSHKOV, A.M., kandidat tekhnicheskikh nauk; SOKOLINSKAYA, L.B., inzhener,  
redakter; GOLUBENKOVA, L.A., redakter; TOKER, A.M., tekhnicheskij  
redakter; GUSEVA, S.S., tekhnicheskij redakter.

[Water supply for cities and towns in foreign countries] Vvedeniye  
naselennykh punktov v zarubezhnykh stranakh. Moskva, Gos.izd-vo lit-ry  
po stroit. i arkhitekture, 1956. 87 p. (MIRA 9:6)

1. Moscow. Tsentral'nyy institut informatsii po stroitel'stvu. 2. Star-  
shiy nauchnyy sotrudnik TsIIS (for Konyushkov).  
(Water supply)

KONYUSHKOV, A.M.

New water treatment plant in Egypt [From "Water and Water Engineering" v.58, no.700, 1954]. Vod.i san.tekh. no.1:33-36 Ja '56.  
(MLRA 9:5)

1. Tsentral'nyy issledovatel'skiy institut nasosnoy stantsii.  
(Mahalla El Kubra, El, Egypt--Water--Purification)

KONYUSHKOV, A.M.

Removing iron and manganese from water in an experimental rapid  
filter in the city of Poznan. Vod. i san. tekhn. no.2:36-39 F  
'56. (MIRA 9:6)

1. TsIINS.  
(Poznan, Poland--Water--Purification)

KONYUSHKOV, A.M.

New district filtration station in Chicago. Vod.i san.tekh. no.4:  
36-38 Ap '56. (MLBA 9:8)

1. TSentral'nyy issledovatel'skiy institut nasesovoy stantsii.  
(Chicago--Water--Purification)

KONYUSHKOV, A.M.

Types of filter drains used in the U.S.A. (From "Journal of the  
American Water Worker Association" no. 5, 1954). Vod. i san.  
tekh. no. 6:34-36 Je '56. (MLRA 9:8)

1. Tsentral'nyy institut informatsii po stroitel'stvu.  
(United States--Sewer pipe)

KONYUSHKOV, A.M.

New designs for water purification stations. Vod. i san. tekhn.  
no.7:1-3 J1 '56. (MLRA 9:10)

1. Tsentral'nyy institut informatsii po stroitel'stvu.  
(Water--Purification)



KONYUSHKOV, A.M.

Reinforced concrete 108-kilometer-long pipeline in Israel.  
Ved.i san.tekh.no.9:35-37 S '56. (MIRA 9:10)

1.TSentral'nyy institut informatsii po stroitel'stvu.  
(Israel--Pipelines)

KONYUSHKOV, A.M.

Plumbing equipment for children's institutions in the German Federal Republic, Ved. 1 san.tekhn. no.11:35-38 W '56. (MIRA 10:3)

1. Tsentral'nyy institut informatsii po stroitel'stvu.  
(Germany, West--Plumbing--Equipment and supplies)

KONYUSHKOV, A.M., kandidat tekhnicheskikh nauk.

Water reservoir with earthquake-proof bottom made of precast  
concrete elements (From "Beton and Stahlbetonbau" no.6, 1955).  
Biul.stroi.tekh. 13 no.4:31 Ap '56. (MLBA 9:8)

1. TsIINS.

(California--Reservoirs)

KONYUSHKOV, A.M.

Water well equipment. *Biul.stroi.tekh.* 13 no.7:39-44 J1 '56.  
(MLRA 9:9)

1. *TSentral'nyy institut informatsii po stroitel'stvu.*  
(Wells) (Pumping machinery)

NOVIKOV, I.I., kand.iskusstvovedeniya arkh.; MANDRIKOV, A.P., kand.tekhn. nauk; SEDOV, A.P., kand.arkhitektury; KONYUSHKOV, A.M., kand.tekhn. nauk; SOKOLOV, Ye.B., kand.arkhitektury; SHATSKIY, Ye.Z., kand. tekhn.nauk; KRICHEVSKAYA, Ye.I., kand.tekhn.nauk; SHLEINA, L.A., kand.tekhn.nauk; KOVEL'MAN, I.A., kand.tekhn.nauk; AGASYAN, A.A., kand.tekhn.nauk; USENKO, V.M., kand.tekhn.nauk, nauchnyy red.; BARSKOV, I.M., iznh., nauchnyy red.; YUDINA, L.A., red.izd-va; PECHKOVSKAYA, T.V., tekhn.red.

[Building practices in the peoples' democracies. Based on reports by delegations of Soviet builders] Opyt stroitel'stva za rubezhom: v stranakh narodnoi demokratii. Po materialam ochetov delegatsii sovetskikh spetsialistov-stroitelei. Moskva, Gos. izd-vo lit-ry po stroit. i arkh., 1957. 253 p. (MIRA 11:4)

1. Sotrudniki TSentral'nogo instituta nauchnoy informatsii po stroitel'stvu i arkhitekture Akademii stroitel'stva i arkhitektury SSSR (for Novikov, Mandrikov, Sedov, Konyushkov, Sokolov, Shatskiy, Krichevskaya, Shleina, Kovel'man, Agasyan)  
(Building)

KONTUSHKOV, A.M.

Water consumption in the United States. Vod. i san. tekhn.  
no.8:37-39 Ag '58. (MIRA 11:9)  
(United States--Water consumption)

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